Study Guide for…

Science Unit Test – Chemistry

Date: Wednesday, June 5th

*You will need to:*

* Know what chemistry is
* Understand what an atom is and name the three parts of an atom
* Understand the three states of matter: solid, liquid and gas
* Know what a colloid is
* Know what a saturated solution is
* Know what a crystal is and how it’s formed
* Understand these two properties of water: surface tension and cohesion
* Know basic information about the Periodic Table of the Elements
* Know the difference between an element and compound
* Know what a mixture is and the difference between pure substances, solutions, heterogeneous and homogeneous mixtures
* Know what concentration of a solution refers to
* Know and understand the four ways we talked about in class to separate a mixture of a solid and a solid. (Sieves, magnets, wind, water)
* Know and understand the three ways we talked about in class to separate a solid and a liquid (Evaporating, decanting, filtering)
* Understand the difference between a reversible and irreversible change
* Know examples and the difference between acidic, basic and neutral substances
* Know what litmus paper is and understand how it can show the pH
* Knowledge of experiments and discussions that have happened during class

Time Frame until Test:

This week- Continue learning about separation of solutions and mixtures

Sunday & Monday- Lab on acids and bases

Tuesday- Review with Quiz-Quiz-Trade

Wednesday- Test